## What is claimed is:

- 1. A film-forming composition comprising:
  - a) iota carrageenan in an amount of from about 1% to about 15% by weight of the composition;
  - b) kappa carrageenan;
  - c) a bulking agent, wherein the ratio of bulking agent to the combined total of iota and kappa carrageenan is from about 1:1 to about 20:1;
  - d) a plasticizer in an amount of from about 10% to about 50% by weight of the composition; and
  - e) water.
- 2. The composition of claim 1 wherein the water is distilled.
- 3. The composition of claim 1, wherein the water is purified.
- The composition of claim 1, wherein the kappa carrageenan is present in an amount of less than or equal to about 50% by weight of total carrageenan in the composition.
- 5. The composition of claim 1, wherein the kappa carrageenan is present in an amount of less than or equal to about 100% by weight of iota carrageenan present in the composition, and wherein the total amount of all carrageenan is less than or equal to about 20% by weight of the composition.
- The composition of claim 1, wherein the kappa carrageenan is present in an amount
  of from about 0.1% to about 15% by weight of the composition.
- The composition of claim 1, wherein the kappa carrageenan is present in an amount of from about 0.5% to about 7.5% by weight of the composition.

- The composition of claim 1, wherein the iota carrageenan is present in an amount of between about 2.3% and about 10.0% by weight of the composition.
- The composition of claim 1, wherein the total amount of all carrageenan is less than
  or equal to about 20% by weight of the composition.
- 10. The composition of claim 1, wherein the total amount of all carrageenan is less than or equal to about 10% by weight of the composition.
- The composition of claim 1, wherein the ratio of bulking agent to total carrageenan is from about 2:1 to about 15:1.
- 12. The composition of claim 1, wherein the water is present in an amount of from about 10% to about 90% by weight of the composition.
- 13. The composition of claim 1, wherein the bulking agent is a modified starch.
- 14. The composition of claim 1, wherein the bulking agent is an esterified starch.
- 15. The composition of claim 1 wherein the plasticizer is selected from the group consisting of sorbitol, non-crystallizing sorbitol, maltitol, glycerin, polyethylene glycol, and combinations thereof.
- The composition of claim 1, wherein the viscosity is from about 100 cP to about 1200 cP.
- 17. A wet ribbon comprising the film-forming composition of claim 1.
- 18. A dry ribbon comprising the film-forming composition of claim 1, having a moisture content of between about 5% and about 20%.
- The dry ribbon of claim 18, wherein the tensile strength at rupture is between about 5
   N and about 40 N.

- The dry ribbon of claim 18, wherein the extensibility at rupture is from about 20 mm to about 80 mm.
- The dry ribbon of claim 18, wherein the solids content is from about 80% to about 95% by weight of the dry ribbon.
- 22. A capsule made with the wet ribbon of claim 17.
- 23. A capsule made with the dry ribbon of claim 18.
- 24. A film-forming composition comprising:
  - a) iota carrageenan in an amount of from about 1% to about 15% by weight of the composition;
  - b) kappa carrageenan;
  - c) a bulking agent in an amount of from about 10% to about 60% by weight of the composition;
  - d) a plasticizer in an amount of from about 10% to about 50% by weight of the composition; and
  - e) water.
- 25. The composition of claim 24, wherein the kappa carrageenan is present in an amount of less than or equal to about 50% by weight of total carrageenan present in the composition.
- 26. The composition of claim 24, wherein the kappa carrageenan is present in an amount of less than or equal to about 100% by weight of iota carrageenan present in the composition, and wherein the total amount of all carrageenan is less than or equal to about 20% by weight of the composition.

- 27. The composition of claim 24, wherein the kappa carrageenan is present in an amount of from about 0.1% to about 15% by weight of the composition.
- 28. The composition of claim 24, wherein the kappa carrageenan is present in an amount of from about 0.5% to about 7.5% by weight of the composition.
- 29. The composition of claim 24, wherein the water is present in an amount of from about 10% to about 90% by weight of the composition.
- 30. The composition of claim 24, wherein the iota carrageenan is present in an amount of from about 2.3% to about 10% by weight of the composition.
- 31. The composition of claim 24, wherein the total amount of all carrageenan is less than or equal to about 20% by weight of the composition.
- 32. The composition of claim 24, wherein the total amount of all carrageenan is less than or equal to about 10% by weight of the composition.
- 33. The composition of claim 24, wherein the bulking agent is a modified starch.
- 34. The composition of claim 24, wherein the bulking agent is an esterified starch.
- 35. The composition of claim 24, wherein the plasticizer is selected from the group consisting of sorbitol, non-crystallizing sorbitol, maltitol, glycerin, polyethylene glycol, and combinations thereof.
- 36. The composition of claim 24, wherein the water is distilled.
- 37. The composition of claim 24, wherein the water is purified.
- The composition of claim 24, wherein the viscosity is from about 100 cP to about 1200 cP.
- 39. A wet ribbon comprising the film-forming composition of claim 24.

- A dry ribbon comprising the film-forming composition of claim 24, having a moisture content of between about 5% and about 20%.
- The dry ribbon of claim 40, wherein the solids content is between about 80% and about 95% by weight of the dry ribbon.
- The dry ribbon of claim 40, wherein the tensile strength at rupture is between about 5
   N and about 40 N
- The dry ribbon of claim 40, wherein the extensibility at rupture is from about 20 mm to about 80 mm.
- 44. A capsule made with the wet ribbon of claim 39.
- 45. A capsule made with the dry ribbon of claim 40.
- 46. A method for preparing a film-forming composition comprising:
  - a) mixing iota carrageenan in an amount of from about 1% to about 15% by weight of the composition, kappa carrageenan and a bulking agent in a ratio of bulking agent to total carrageenan of from about 1:1 to about 20:1 to form a dry mixture;
  - b) adding a plasticizer to the dry mixture:
  - c) adding water to the dry mixture to form a dispersion; and
  - d) heating and mixing the composition to form a uniform dispersion.
- The method of claim 46, wherein heating the composition comprises heating to a temperature of from about 85°C to about 95°C.
- 48. The method of claim 46, further comprising heating the water before adding to the dry mixture.
- The method of claim 46, further comprising casting the uniform dispersion to form a ribbon.

- The method of claim 49, further comprising feeding the ribbon into a rotary die encapsulation machine.
- The method of claim 49, further comprising drying the ribbon to a moisture content of from about 5% to about 20%.
- 52. The method of claim 51, further comprising feeding the dried ribbon into a rotary die encapsulation machine.
- 53. The method of claim 46, further comprising extruding the uniform dispersion.
- 54. The method of claim 53, wherein the extruded uniform dispersion is in the shape of a film, ribbon, sheet or tube.
- 55. The method of claim 54, further comprising feeding the extruded uniform dispersion into a rotary die encapsulation machine.
- 56. A capsule formed with the ribbon of claim 49.
- 57. A capsule formed with the ribbon of claim 51.
- 58. A capsule formed with the extruded uniform dispersion of claim 54.
- 59. A capsule formed by the method of claim 50.
- 60. A capsule formed by the method of claim 52.
- 61. A capsule formed by the method of claim 55.
- 62. A method for preparing a film-forming composition comprising:
  - a) mixing iota carrageenan in an amount of from about 1% to about 15% by weight of the composition, kappa carrageenan and a bulking agent in a ratio of bulking agent to total carrageenan of from about 1:1 to about 20:1 to form a dry mixture;
  - b) mixing a plasticizer and water to form a liquid mixture;
  - c) heating the liquid mixture to a temperature of from about 75°C to about 90°C;

- adding the dry mixture to the heated mixture with stirring to form a dispersion;
   and
- heating the dispersion with stirring to a temperature of from about 85°C to about 95°C to form a uniform dispersion.
- The method of claim 62, further comprising casting a ribbon with the uniform dispersion.
- 64. The method of claim 63, further comprising feeding the ribbon into a rotary die encapsulation machine.
- 65. The method of claim 63, further comprising drying the ribbon to a moisture content of from about 5% to about 20%.
- 66. The method of claim 65, further comprising feeding the dried ribbon into a rotary die encapsulation machine.
- 67. The method of claim 62, further comprising extruding the uniform dispersion.
- 68. The method of claim 67, wherein the extruded uniform dispersion is in the shape of a film, ribbon, sheet or tube.
- 69. The method of claim 68, further comprising feeding the extruded uniform dispersion into a rotary die encapsulation machine.
- 70. A capsule formed with the ribbon of claim 63.
- 71. A capsule formed with the ribbon of claim 65.
- A capsule formed with the extruded uniform dispersion of claim 68.
- 73. A capsule formed by the method of claim 64.
- 74. A capsule formed by the method of claim 66.
- 75. A capsule formed by the method of claim 69.

- 76. A method for preparing a film-forming composition comprising:
  - a) adding a mixture of iota carrageenan in an amount of from about 1% to about 15% by weight of the composition, kappa carrageenan, a bulking agent in a ratio of bulking agent to total carrageenan of from about 1:1 to about 20:1, a plasticizer and water to an extruder:
  - b) forming a uniform dispersion of the mixture.
- 77. The method of claim 76, wherein the mixture of iota carrageenan, kappa carrageenan, bulking agent, plasticizer and water are pre-mixed.
- 78. The method of claim 76, wherein the mixture of iota carrageenan, kappa carrageenan, bulking agent, plasticizer and water are added to the extruder in the form of a dry mix and a liquid mix, wherein the dry mix comprises iota carrageenan, kappa carrageenan and bulking agent, and the liquid mix comprises water and plasticizer.
- 79. The method of claim 76, further comprising extruding the uniform dispersion.
- 80. The method of claim 79, wherein the extruded uniform dispersion is in the shape of a film, ribbon, sheet or tube.
- 81. The method of claim 80, further comprising feeding the extruded uniform dispersion into a rotary die encapsulation machine.
- 82. A capsule formed by the method of claim 81.
- 83. A capsule formed with the extruded uniform dispersion of claim 80.
- 84. A ribbon comprising iota carrageenan, kappa carrageenan, a bulking agent, a plasticizer and water, having a moisture content of between about 5% and about 20%, a tensile strength at rupture between about 5 N and about 40 N, an extensibility at

rupture from about 20 mm to about 80 mm, and a viscosity from about 100 cP to about 1200 cP.

85. A capsule made with the ribbon of claim 84.